26 March 1959

MEMORANDUM TO THE FILE

SUBJECT: Report on Trip to [redacted] 25X1A5a1

25X1A9a 1. On 17 March [redacted], OC-T, Mr. Robert Creer, Department of State, and the undersigned traveled to New York City to discuss a proposed circuit between [redacted] and Washington, D.C. 25X1A6a
5X1A5a1 and to visit the [redacted] facilities in the [redacted] Area. 25X1A6a 25X1A6a

2. The morning of 17 March was spent on a tour of the [redacted] offices and terminal facilities located at [redacted] in [redacted]. The top three floors [redacted] house the management and administrative offices and the remaining floors house the terminal facilities. The terminal facilities are divided into five major catagories: 25X1A5 25X1A5

25X1A5a1 a. TEX or overseas TWX facilities

One entire floor is devoted to this activity. Subscriber lines are terminated in an automatic dial switchboard in such a manner that when an overseas originated call is received on a monitor position the operator dials the addressee by means of a telephone type dial located on his monitor position and talks to the subscriber on a Model 15 printer. When the subscriber is ready to receive the traffic the operator throws a key switch and the two parties are connected. The monitor Model 15 and reperf remain on the line and counters register the number of characters sent for accounting purposes. When the parties are finished the operator tears the page copy and inserts it on an endless belt where it is carried to a central point for filing. If traffic is received for a party not having on-line facilities or if the traffic must be refiled, the tape from the reperf is inserted in a pneumatic tube system and carried to a point where it is logged and reinserted in the pneumatic tube system and carried to the proper position for re-transmission.

b. Multiplex terminal facilities and circuit control

All VFC line terminal equipment for microwave and landlines to the transmitter and receiver sites and all channel multiplex is located on one floor. Most of the equipment is German or Swiss made mechanical multiplex . The VFC equipment is Tele-Signal Corp. transistorized equipment. This equipment has been in operation for two years and according to the engineers responsible for servicing it they have not replaced one component in this equipment.

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c. FRXD tape storage facilities

All direct circuits, such as the present [redacted]-Wash. circuits, have FRXD tape storage buffers on the lines so that traffic can be stored while the automatic error correction systems function, and to take up the slack during circuit outages. 25X1A6a

d. Switchboard facilities

The major part of one floor is devoted to telephone switchboards. Male operators operate the switchboards where cable traffic is received. The traffic is typed as it is read over the phone and the message is placed on an endless belt and carried to the logging section and then to transmission facilities.

e. CW operating positions

25X1A5a1 [redacted] maintains six manual CW operating positions. Very little traffic is handled on these circuits.

3. On the afternoon of 17 March, we met in the office of [redacted] 5X1A5a1 [redacted] Vice President-Operations Engineering, to discuss the [redacted]-Wash. circuit. Those present at various times during the discussion were: 25X1A6a

25X1A5a1 [redacted]

Mr. Robert Creer, Department of State

25X1A9a [redacted]

5X1A5a1 In the initial discussions [redacted] felt that a specially modified receiving facility must be installed at [redacted] to effectively operate a twinplex circuit between [redacted] Later he called in [redacted] and it was determined that the present DDR-2 receivers at [redacted] were superior to the proposed modified [redacted] equipment. [redacted] 5X1A5a1 stated that [redacted] is using twinplex equipment in various parts of the world with success. It was the opinion of the [redacted] engineers that a twinplex 100 wpm and 60 wpm circuit should work very effectively. The one possible problem that was mentioned was the procedure for technical control of a circuit such as the KW-26 100 wpm circuit. It was decided that some method of alerting the technical control personnel on both ends of the [redacted] leg, must be incorporated. The undersigned mentioned this Agency's proposed modified MIMIC alerting device as a possible solution. [redacted] preferred a device being used in similar applications by [redacted] This device recognizes a series of spaces of a predetermined number and alarms when this condition exists. [redacted] agreed to forward to Mr. Creer the technical details and price of their device. It was the opinion of [redacted] and the undersigned that [redacted], the Traffic Engineer, should be Agency cleared and briefed.

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4. During our discussion with [redacted] he called [redacted] Engineer Assistant-Frequency Matters, who briefed us on the latest tests of the [redacted] emergency circuit. We learned during this briefing that no provisions had been made for handling of traffic beyond the transmitting and receiving facilities at the [redacted] end. It was discovered that [redacted] at various times has either missed schedules or has come up late for a scheduled test. This was very embarrassing for us. It was pointed out that the latest test was handled in the most professional manner.

5. Late on the afternoon of 17 March, [redacted] and the undersigned met with [redacted] Manager-New York Plant who was to conduct us on a tour of the [redacted] facilities the following day.

[redacted]

7. On the afternoon of 18 March, we traveled to [redacted] which is the [redacted] East Coast receiving site. Attached is a summary of the facilities located at [redacted]

8. At 2125 on 18 March we caught a plane to Washington.

[redacted]

Attachments:
1. [redacted]
2.

Distribution:
2 - Monthly Report
3 - EES
1 - OC-T